Game Changing Development

Development and Characterization of 3D Woven Thermal Protection System via Arc Jet Testing

Completed Technology Project (2015 - 2017)

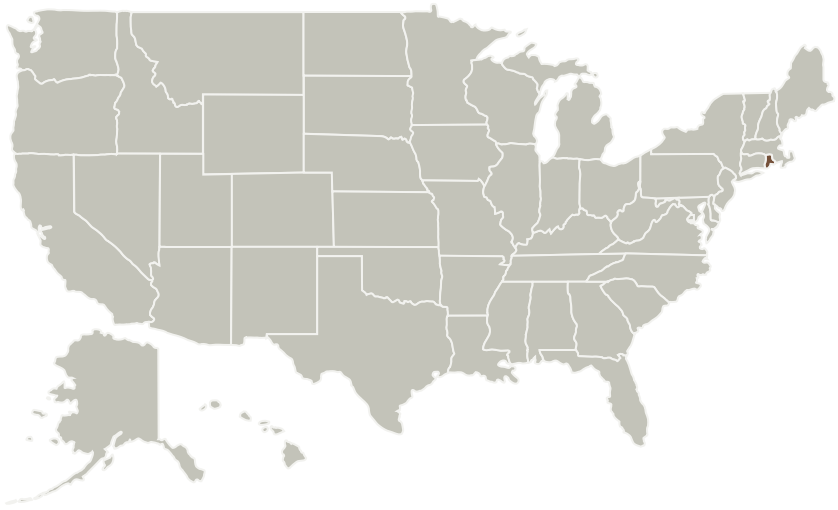
Project Introduction

Developing new robust woven heatshield materials - these materials have lower mass than predecessors and will allow future missions to carry more science or payload or cargo

Anticipated Benefits

This technology will lower mass and allow future missions to carry more science or payload or cargo

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
T.E.A.M., Inc.	Lead Organization	Industry	Woonsocket, Rhode Island

Primary U.S. Work Locations
Rhode Island

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Project Transitions

November 2015: Project Start

December 2017: Closed out

Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Lead Organization:

T.E.A.M., Inc.

Responsible Program:

Game Changing Development

Project Management

Program Director:

Mary J Werkheiser

Program Manager:

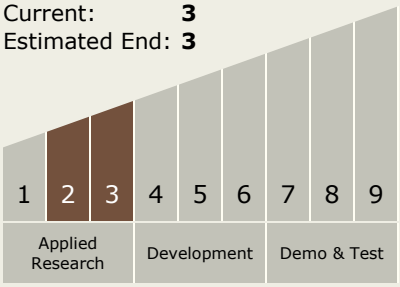
Gary F Meyering

Principal Investigator:

Margaret M Stackpoole

Technology Maturity (TRL)

Start: **2**
Current: **3**
Estimated End: **3**



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Target Destination

Foundational Knowledge